

Solutions for
electrochemical
research

IVIUM
TECHNOLOGIES

IviumBoost

For high power applications



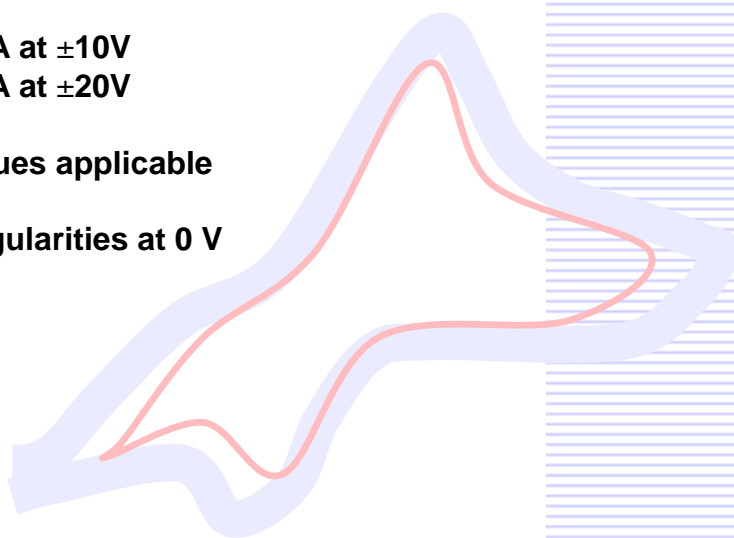
**Full
Potentiostat/galvanostat
compliance**

- Batteries
- Fuel cells
- MEA's
- Electrolysis
- Corrosion
- Deposition

**40A @ ± 10 V
20A @ ± 20 V**

The IviumBoost will increase the maximum current of the IviumStat or IviumStat.XR:

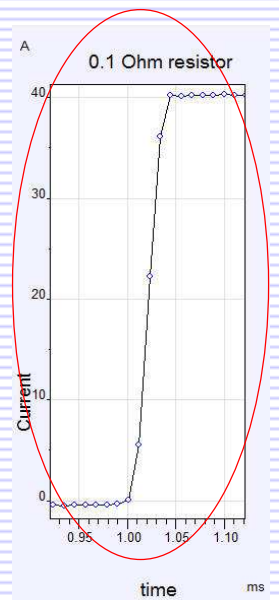
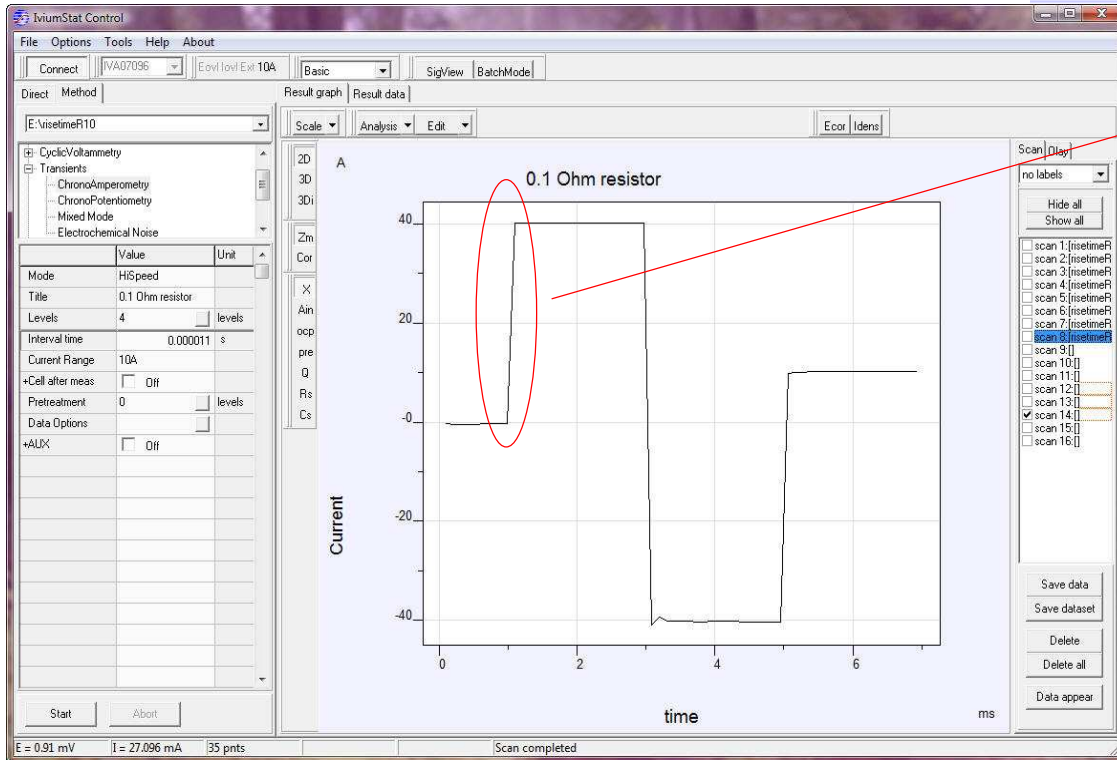
- 2 models: # maximum 40A at ± 10 V
maximum 20A at ± 20 V
- All electrochemical techniques applicable
- Full potential range, no singularities at 0 V
- Bandwidth > 100kHz
- Rise time < 50 μ s
- 100-240V, 50-60Hz, 1000W



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High power at Hi-speed



Hi-speed:
Chrono-Amperometric testing of a 0.1 Ohm resistor using an interval time of 10 μ s shows a risetime from 0 \rightarrow 40A of less than 50 μ s!

Low impedance measurements

FRA at low impedance:
Frequency scan of a 150F supercapacitor;
rated at 12 mOhm internal resistance
1000 Hz \rightarrow 0.0005 Hz @ amplitude of 50 mV

